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- WAGNER, W. H. 1952. Types of foliar dichotomy in living ferns. Am. Jour. Bot. 39: 578-592.
- . 1954. Reticulate evolution in the Appalachian aspleniums. Evolution 8: 103-118.
- WAGNER, W. H. and DALE J. HAGENAH. 1954. A natural hybrid of *Polystichum lonchitis* and *P. acrostichoides* from the Bruce Peninsula. Rhodora 56:1-7.

DOCUMENTED CHROMOSOME NUMBERS OF PLANTS

(See MADROÑO 9:257-258. 1948.)

SPECIES	NUMBER	COUNTED BY	COLLECTION	LOCALITY
LILIACEAE				
<i>Furcraea</i> * <i>Roeslii</i> André	n = 30	H. Arnott & M. S. Cave, UC ¹	Arnott 54, UC ¹	Univ. Calif. Campus, Berkeley, California
<i>Nolina</i> * <i>Beldingii</i> Brandege	n = 19	M. S. Cave, UC	Carter & Ferris 3331, UC	San Francisco, Baja Calif., Mexico
ROSACEAE				
<i>Purshia</i> * <i>tridentata</i> DC.	2n = 18	M. S. Cave, UC	(From seed) B. Pearson	Janesville, Lassen County, California
EUPHORBIACEAE				
<i>Argythamnia</i> * <i>Brandegei</i> var. <i>intonsa</i> (Jtn.) Ingram	n = 13	F. Chisaki & J. Ingram, UC	Ingram 227, UC	Gila Mountains, Yuma County, Arizona
SOLANACEAE				
<i>Acnistus</i> <i>arborescens</i> (L.) Schlecht.	n = 12	C. B. Heiser, Jr., IND ¹	Heiser 3578, IND	Turrialba, Prov. Cartago, Costa Rica
<i>Capsicum</i> <i>macrophyllum</i> (HBK.) Standl.	n = 12	"	Heiser 3483, IND	La Lola, Prov. Limón, Costa Rica
<i>maculatum</i> Standl. & Morton	n = 12	"	Heiser 3534 IND	La Paz, Prov. Heredia, Costa Rica
<i>stenophyllum</i> Morton & Standl.	n = 12	"	Heiser 3535 IND	"
<i>stramonifolium</i> (HBK.) Standl.	n = 12	"	Heiser 3575 IND	San José, Prov. San José, Costa Rica

(continued on p. 206)

*Prepared slide available.

¹ Symbols for institutions are those listed by Lanjouw and Stafleu, Index Herbariorum, Part I. Second edition, 1954, Utrecht.

SPECIES	NUMBER	COUNTED BY	COLLECTION	LOCALITY
<i>Capsicum tetramerum</i> Standl. & Morton	n = 12	C. B. Heiser, Jr., IND	Heiser 3470 IND	La Carpintera, Prov. Cartago, Costa Rica
<i>Lycianthes multiflora</i> Bitter	n = 12	"	Heiser 3514 IND	Turrialba, Prov. Cartago, Costa Rica
<i>Solanum Cervantesii</i> Lag.	n = 12	"	Heiser 3491 IND	Robert, Prov. Cartago, Costa Rica
<i>ciliatum</i> Lam.	n = 12	"	Heiser 3516 IND	Turrialba, Prov. Cartago, Costa Rica
<i>jamaicense</i> Mill.	n = 12	"	Heiser 3518 IND	"
<i>parcebarbatum</i> Bitter	n = 12	"	Heiser 3510 IND	"
<i>salviifolium</i> Lam.	n = 12	"	Heiser 3509 IND	"
<i>torvum</i> Swartz	n = 12	"	Heiser 3511 IND	"
<i>umbellatum</i> Mill.	n = 12	"	Heiser 3632 IND	"
LOBELIACEAE				
<i>Clermontia *oblongifolia</i> Gaud.	2n = 22	S. Carlquist, UC	Carlquist H4 UC	Mt. Olympus, Oahu, T. H.
<i>Cyanea *angustifolia</i> Hillebrand	n = 12	"	Carlquist H5 UC	"
<i>Laurentia *carnosula</i> (H. & A.) Gray	n = 11	"	Mason 14439 UC	Sierra Valley, Sierra County, Calif.
COMPOSITAE				
<i>Baileya *multiradiata</i> Harv. & Gray	n = 16	"	Carlquist 323 UC	San Marino, Los Angeles County, Calif.
<i>Brickellia *peninsularis</i> Brandegge var. <i>amphithalassa</i> Robinson	n = 9	"	Carlquist 382 UC	Socorro Island, Mexico
<i>Perityle *socorrosensis</i> Rose	n = 19	"	Carlquist 368 UC	"
<i>Tetramolopium *humile</i> Hillebrand	n = 7	"	Carlquist H 18 UC	Haleakala, Maui, T. H.